

SEVERN
TRENT
SERVICES

STL Los Angeles
1721 South Grand Avenue
Santa Ana, CA 92705-4808

February 20, 2001

STL LOT NUMBER: **E1B090307**
PO/CONTRACT: 05160-SEV002

Tel: 714 258 8610
Fax: 714 258 0921
www.stl-inc.com

Rus Purcell
Kennedy/Jenks Consultants
2151 Michelson Drive
Suite 100
Irvine, CA 92612

Dear Mr. Purcell,

This report contains the analytical results for the five samples received under chain of custody by STL Los Angeles on February 9, 2001. These samples are associated with your BRC former C-6 Torrance Harbor Gateway project.

All applicable quality control procedures meet method-specified acceptance criteria. See Project Receipt Checklist for container temperature and conditions. Temperature reading beyond 2 to 6 degrees Celsius is considered not within acceptable criteria unless otherwise noted such as limited transit time from field and test requested. Any matrix related anomaly is footnoted within the report.

STL Los Angeles certifies that the test results provided in this report meet all the requirements of NELAC. This report shall not be reproduced except in full, without the written approval of the laboratory.

If you have any questions, please feel free to call me at 714-258-8610.

Sincerely,



Diane Suzuki
Project Manager

cc: Project File



SEVERN TRENT LABORATORIES

Committed To Your Success

No. 203080

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION		PROJECT INFORMATION		ANALYSIS/METHOD REQUESTS / METHOD	NUMBER OF CONTAINERS	REMARKS/PRECAUTIONS			
COMPANY: <i>Kennedy/Tents Consultants</i>	SEND REPORT TO: <i>Jay Knight</i>	PROJECT NAME/NUMBER: <i>0040 34.00</i>	BILLING INFORMATION						
ADDRESS: <i>2151 Nicholson Dr. #100</i>	BILL TO:	PHONE: <i>949-261-1577</i>	FAX: <i>949-261-3134</i>						
ADDRESS: <i>Irvine CA. 92612</i>		PHONE:							
		P.O. NO.:							
SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME				SAMPLE MATRIX	CONTAINER	PRESERV.
<i>Bui.0-2-AE-14-020901-1</i>	<i>Bui.0-2-AE-14-020901-1</i>	<i>2/9/01</i>	<i>50:1</i>				<i>2x6" board</i>	<i>None</i>	<i>x x x</i>
<i>Bui.0-2-AE-17-020901-1</i>	<i>"</i>	<i>0750</i>	<i>Soil</i>				<i>2x6" board</i>	<i>None</i>	<i>x x x</i>
<i>Bui.0-2-AE-16-020901-1</i>	<i>"</i>	<i>0830</i>	<i>"</i>				<i>"</i>	<i>"</i>	<i>x x x</i>
<i>Bui.0-2-AE-14-020901-1</i>	<i>2/8/01</i>	<i>0840</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>x x x</i>			
		<i>1140</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>x x x</i>			
SAMPLER:	SHIPMENT METHOD:					AIRBILL NO.:			
REQUIRED TURNAROUND*	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> 24 HOURS	<input type="checkbox"/> 48 HOURS	<input type="checkbox"/> 72 HOURS	<input checked="" type="checkbox"/> 5 DAYS	<input type="checkbox"/> 10 DAYS	<input type="checkbox"/> ROUTINE	<input type="checkbox"/> OTHER	
1. RELINQUISHED BY: <i>Jay Knight</i>	DATE: <i>2/9/01</i>	2. RELINQUISHED BY: <i>Jay Knight</i>	DATE: <i>2/9/01</i>	3. RELINQUISHED BY: <i>Jay Knight</i>	DATE: <i>2/9/01</i>	3. RELINQUISHED BY: <i>Jay Knight</i>	DATE: <i>2/9/01</i>		
PRINTED NAME/COMPANY: <i>Jay Knight</i>	TIME: <i>51</i>	PRINTED NAME/COMPANY: <i>Jay Knight</i>	TIME: <i>51</i>	PRINTED NAME/COMPANY: <i>Jay Knight</i>	TIME: <i>51</i>	PRINTED NAME/COMPANY: <i>Jay Knight</i>	TIME: <i>51</i>		
1. RECEIVED BY: <i>John Doe</i>	DATE: <i>02/09/01</i>	2. RECEIVED BY: <i>John Doe</i>	DATE: <i>02/09/01</i>	3. RECEIVED BY: <i>John Doe</i>	DATE: <i>02/09/01</i>	3. RECEIVED BY: <i>John Doe</i>	DATE: <i>02/09/01</i>		
PRINTED NAME/COMPANY: <i>John Doe</i>	TIME: <i>51</i>	PRINTED NAME/COMPANY: <i>John Doe</i>	TIME: <i>51</i>	PRINTED NAME/COMPANY: <i>John Doe</i>	TIME: <i>51</i>	PRINTED NAME/COMPANY: <i>John Doe</i>	TIME: <i>51</i>		

200000

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES

1721 South Grand Avenue
Santa Ana, CA 92705

Phone: (714) 258-8610 / Fax: (714) 258-0921

SEVERN TRENT
LABORATORIES, INC.
STANDARD TERMS
AND CONDITIONS

ACCEPTANCE. Severn Trent Laboratories, Inc. (hereafter referred to as "STL") offers and will accept orders for services (as defined herein) only under the following Standard Terms and Conditions (the "Terms"). These Terms shall not apply if STL and the Customer shall have executed a separate agreement in writing. If specific Terms are not incorporated in the separate agreement those Terms will apply to the Customer. No modifications to the Terms shall be valid and binding unless in writing and signed by an authorized representative of STL. Customer's order for services shall be subject to the Terms and the Terms shall be binding upon receipt of samples to STL. Either party may terminate this agreement at any time by giving written notice of such termination to the other party. Upon termination the customer is subject to payment for all services rendered and expenses incurred up to date in accordance with the applicable Price Schedule.

INSURANCE. STL maintains insurance coverage with minimum limits as follows: (a) Comprehensive General Liability- \$1,000,000 each occurrence \$2,000,000 annual aggregate; (b) Comprehensive Automotive Liability Bodily Injury and Property Damage- \$1,000,000 each occurrence. (c) Workman's Compensation- \$500,000 each occurrence and \$500,000 each employee; STL and Customer agree to furnish the other, upon request, certificates attesting to the existence of insurance coverage.

INDEPENDENT CONTRACTOR. STL's relationship with Customer under this agreement shall be that of an independent contractor. Nothing in this Agreement shall be construed to designate STL, or any of its employees or subcontractors, as employees, joint venturers or partners of Customer.

SUBCONTRACTING. STL shall have the right to subcontract any and all services, duties, and obligations hereunder, in whole or in part with the consent of the Customer in a timely response which shall not be unreasonably refused. Subcontractor shall be bound by the same Terms of performance as STL.

BILLING. All fees are charged or billed directly to the Customer. The billing of a third party will not be accepted without a statement, signed by the third party, which acknowledges and accepts payment responsibility.

PAYMENT. Payment in advance is required for all Customers except those whose credit has been established with STL. Customers with STL approved credit, terms are Net 30 days, after which time a 1-1/2% per month late charge is added to all unpaid balances. Failure of the Customer to pay according to Terms gives STL the right to withhold delivery of future data until all past due invoices have been settled. Customer shall pay all costs and expenses incident to the collection of past due amounts, including reasonable attorney's fees. No retainage of fees by the customer is allowed without the consent of STL.

MODIFICATIONS. If the sample received is of unknown character than in the original quote, or if due to the composition of the sample the original procedure specified is not practicable or likely to produce reliable results, Customer will be promptly notified. Modified procedures will be suggested and STL may quote new prices for such modifications. Upon agreement of such modification, the original quote shall be deemed amended and the samples in question shall be deemed to have been received.

TIME OF PERFORMANCE. STL will use its best efforts to comply with storage, processing and analytical time limits requested by the Customer. Unless specifically agreed to in writing between STL and Customer, the time performance of any testing or other services performed by STL under this agreement is not guaranteed and STL shall have no liability for failure to perform such services within the time requested. Quick turnaround times are available at a premium cost which will be defined in the quote, providing STL workload availability.

LIMITATION OF DAMAGES. STL is not an insurer of services rendered and the payments mentioned are based solely on the value of the services provided pursuant to this agreement. STL's liability to the Customer and the Customer's exclusive remedy for any cause of action alleged against STL, whether based in contract, tort, or otherwise, shall be limited solely to the amount paid by the Customer for the services performed. In no event shall STL be liable for incidental or consequential damages including, without limitation, business interruption, loss of use, or loss of profits incurred by the Customer, its subsidiaries, affiliates, successors or assigns, arising out of or related to this agreement or the performance of services hereunder.

WARRANTY. STL makes no warranty or representation, express or implied, or guarantee of results from the performance of services pursuant to this Agreement. Any information, recommendation, interpretation, or opinion by STL is

based upon inferences and assumptions which are subject to error, and with respect to which analysis may differ. Accordingly, STL does not assume any liability with respect to the use of, or for damages resulting from the use of, any information, data, test results, analysis, apparatus, method, or process disclosed by STL. STL makes no presentation or warranty of any kind, including but not limited to, the warranties of fitness for a particular purpose or merchantability, nor are any such warranties to be implied with respect to the data or service furnished. STL assumes no responsibility with respect to Customer's use thereof.

LIMITATION ACTION. No action, regardless of form, arising out of or brought in connection with any services provided under this Agreement may be brought by the Customer more than one year after the performance of said services by STL. It is expressly agreed that STL shall have no liability to Customer unless that liability arises out of the willful misconduct or gross negligence of STL or its duly authorized employees.

CONFIDENTIALITY. Data and the sample materials provided by Customer or at Customer's request and the result obtained by STL shall be held in confidence (unless such information is generally available to the public or is in the public domain or Customer has failed to pay STL for all services rendered or is otherwise in breach of this Agreement) subject to any disclosure required by law or legal process. STL's reports and the data and information provided therein are for the exclusive use and benefit of Customer and Customer agrees there shall be no third party beneficiary of such reports, data, or information. Customer will not disclose to any third party any information concerning STL's technical information, software programs, or other formulations.

SEVERABILITY. The provisions of this Agreement shall be severable, and if any clause, sentence, paragraph, provision or other part hereof shall be adjudged by any court of competent jurisdiction to be invalid, such judgment shall not affect, impair or invalidate the remainder hereof, which remainder shall continue in full force and effect.

WAIVER. No waiver by either party of any breach, default or violation of any term, warranty, representation, agreement, covenant, condition or provision hereof shall constitute a waiver of any subsequent breach, default or violation of the same or any other term, warranty, representation, agreement, covenant, condition or provision hereof. All waivers must be in writing.

FORCE MAJEURE. Obligation of either party under this Agreement shall be suspended, and such party shall not be liable for damages or other remedies while such party is prevented from complying therewith, in whole or in part, due to contingencies beyond its reasonable control, including, but not limited to, strikes, riots, war, fire, act of God, injunction, compliance with any law, regulation or order, whether valid or invalid, of the United States of America or any other governmental body or any instrumentality, matrix interference or unknown highly contaminated samples that impact instrument operations thereof, whether now existing or hereafter created, inability to secure materials or obtain necessary permits, provided, however, the party so prevented from complying with its obligations hereunder shall promptly notify the other party thereof.

LITIGATION. All costs associated with compliance to any subpoena for documents, for testimony in court of law, or for any other purpose relating to work performed by STL, in connection with work performed for the Customer, shall be paid by the Customer. Such costs shall include, but are not limited to, hourly charges for persons involved in responding to subpoenas, travel and accommodations, mileage, attorney's preparation of testifier and advice of counsel in connection with response to subpoenas, and all other expenses deemed reasonable and associated with said litigation.

HAZARDOUS WASTE. Unused portions of samples found or suspected to be hazardous according to state or federal guidelines may be returned to the Customer upon completion of the analytical work. The cost of returning the sample may be invoiced to the Customer. The sample portions thereof remain the property of the Customer at all times. All radioactive or dioxin containing samples will be returned to the sampling site or to the Customer at the Customer's expense.

RETENTION OF SAMPLES. All routine samples are retained in our storage facilities for 30 days after report generation unless prior arrangements have been made. Samples may be held longer per Customers request for an additional fee.

RETENTION OF REPORTS. STL shall retain copies of analytical reports for a period of 5 years after report date, after which such reports may be destroyed or returned to the Customer at Customers expense. If Customer requests additional copies of such analytical reports during the retention period, an additional charge will apply for the preparation and printing of such reports.

COMPLIANCE WITH LAW. In the performance of all services to be provided hereunder, STL and Customer agree to comply with all applicable Federal, State and local laws and ordinances and all lawful orders, rules and regulations of any constituted authority.

APPLICABLE LAW. The validity, performance and construction of this Agreement shall be governed by and construed in accordance with the laws of the State of Delaware.

**STL - LOS ANGELES
PROJECT RECEIPT CHECKLIST**

Date: 2/9/01

Quantums Lot #: EIB090807

Client Name: Karen J. Jones

Received by: AC

Delivered by : Client Airborne FedEx
 UPS DES Other

Quote #: _____

Project: 004034.00

Date/Time Received: 2/9 12'51

DHL Ultra-Ex Rey B.

Initial / Date

Custody Seal Status: Intact Broken None AD 2/1

Custody Seal #(s): _____ No Seal #

Sample Container(s): STL-LA Client N/A

Temperature(s) (COOLER/BLANK) in °C: 18.0 (CORRECTED TEMP).....

Thermometer Used : IR (Infra-red) Digital (Probe)

Thermometer Used : A (Infrared) B (Digital) (V.V.)
Condition Intact Broken Other

Samples: intact broken cut _____
" " No Yes (See Clouseau)

Anomalies: No Yes (See clause(s) _____)

Labeled by

Labeling checked by

..... BUSH-24HR BUSH-48HR BUSH-72HR NORMAL AV 2/9

Turn Around Time: RUSH-24HR RUSH-48HR OVERNIGHT N/A ...

Short-Hold Notification: Ph Wet Chem Metals (Filter) Micro N/A ... _____

Outside Analysis(es) (Test/Lab/Date Sent Out) :

***** LEAVE NO BLANK SPACES : USE NA *****

Li-HCl m-NaOH zinc/Zinc Acetate/Sodium Hydroxide H2SO4 HNO3 HCl/HNO3-Field Standard HCl/HNO3-Lab Standard
 CGI Clear Glass Jar CGB-Clear Glass Bottle AGI:Amber Glass Jar AGB:Amber Glass Bottle PB: Poly Bottle E-Scoops Sampler V:VOA

* Number of VOA's w/ Headspace present

LOGGED BY/DATE: AB 02/09/01

REVIEWED BY/DATE:

BOE SC 0152226

EXECUTIVE SUMMARY - Detection Highlights

E1B090307

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
Build_2_AF_17_020901_01 02/09/01 08:30 002				
C10-C11	180	50	mg/kg	SW846 8015B
C12-C13	500	50	mg/kg	SW846 8015B
C14-C15	860	50	mg/kg	SW846 8015B
C16-C17	890	50	mg/kg	SW846 8015B
C18-C19	640	50	mg/kg	SW846 8015B
C20-C23	330	50	mg/kg	SW846 8015B
C24-C27	160	50	mg/kg	SW846 8015B
C28-C31	140	50	mg/kg	SW846 8015B
C32-C35	150	50	mg/kg	SW846 8015B
C36-C39	100	50	mg/kg	SW846 8015B
C40+	130	50	mg/kg	SW846 8015B
Total Carbon Chain Range	4100	50	mg/kg	SW846 8015B
C6-C8	3.8	1.0	mg/kg	SW846 8015B
Mercury	0.020 B	0.10	mg/kg	SW846 7471A
Aluminum	19300	20.0	mg/kg	SW846 6010B
Arsenic	3.2	1.0	mg/kg	SW846 6010B
Barium	141	2.0	mg/kg	SW846 6010B
Chromium	25.8	1.0	mg/kg	SW846 6010B
Beryllium	0.64	0.50	mg/kg	SW846 6010B
Lead	7.2	0.50	mg/kg	SW846 6010B
Cobalt	11.1	5.0	mg/kg	SW846 6010B
Copper	33.0	2.5	mg/kg	SW846 6010B
Molybdenum	0.67 B	4.0	mg/kg	SW846 6010B
Nickel	15.3	4.0	mg/kg	SW846 6010B
Vanadium	46.8	5.0	mg/kg	SW846 6010B
Zinc	59.3	2.0	mg/kg	SW846 6010B
Acetone	140	120	ug/kg	SW846 8260B
Isopropylbenzene	20 J	25	ug/kg	SW846 8260B
n-Propylbenzene	40	25	ug/kg	SW846 8260B
sec-Butylbenzene	190	25	ug/kg	SW846 8260B
n-Butylbenzene	110	25	ug/kg	SW846 8260B
Build_2_AG_16_020901_01 02/09/01 08:40 003				
C10-C11	35	20	mg/kg	SW846 8015B
C12-C13	120	20	mg/kg	SW846 8015B
C14-C15	190	20	mg/kg	SW846 8015B
C16-C17	260	20	mg/kg	SW846 8015B
C18-C19	180	20	mg/kg	SW846 8015B
C20-C23	77	20	mg/kg	SW846 8015B
C24-C27	42	20	mg/kg	SW846 8015B
C28-C31	40	20	mg/kg	SW846 8015B
C32-C35	37	20	mg/kg	SW846 8015B

(Continued on next page)

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EXECUTIVE SUMMARY - Detection Highlights

E1B090307

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
Build_2_AG_16_020901_01 02/09/01 08:40 003				
C36-C39	31	20	mg/kg	SW846 8015B
C40+	44	20	mg/kg	SW846 8015B
Total Carbon Chain Range	1100	20	mg/kg	SW846 8015B
Aluminum	14300	20.0	mg/kg	SW846 6010B
Arsenic	2.8	1.0	mg/kg	SW846 6010B
Barium	108	2.0	mg/kg	SW846 6010B
Chromium	18.3	1.0	mg/kg	SW846 6010B
Beryllium	0.51	0.50	mg/kg	SW846 6010B
Lead	4.6	0.50	mg/kg	SW846 6010B
Cobalt	9.1	5.0	mg/kg	SW846 6010B
Copper	95.3	2.5	mg/kg	SW846 6010B
Molybdenum	0.68 B	4.0	mg/kg	SW846 6010B
Nickel	11.8	4.0	mg/kg	SW846 6010B
Vanadium	38.3	5.0	mg/kg	SW846 6010B
Zinc	72.1	2.0	mg/kg	SW846 6010B
Acetone	91 J,G	120	ug/kg	SW846 8260B
p-Isopropyltoluene	24 J,G	25	ug/kg	SW846 8260B
sec-Butylbenzene	26 G	25	ug/kg	SW846 8260B
n-Butylbenzene	26 G	25	ug/kg	SW846 8260B
Build_2_AG_14_020901_01 02/08/01 11:40 004				
C16-C17	11 J	20	mg/kg	SW846 8015B
C18-C19	23	20	mg/kg	SW846 8015B
C20-C23	67	20	mg/kg	SW846 8015B
C24-C27	130	20	mg/kg	SW846 8015B
C28-C31	200	20	mg/kg	SW846 8015B
C32-C35	210	20	mg/kg	SW846 8015B
C36-C39	210	20	mg/kg	SW846 8015B
C40+	170	20	mg/kg	SW846 8015B
Total Carbon Chain Range	1000	20	mg/kg	SW846 8015B
Mercury	0.040 B	0.10	mg/kg	SW846 7471A
Aluminum	26000	20.0	mg/kg	SW846 6010B
Arsenic	3.9	1.0	mg/kg	SW846 6010B
Barium	163	2.0	mg/kg	SW846 6010B
Cadmium	0.11 B	0.50	mg/kg	SW846 6010B
Chromium	28.8	1.0	mg/kg	SW846 6010B
Beryllium	0.79	0.50	mg/kg	SW846 6010B
Lead	6.0	0.50	mg/kg	SW846 6010B
Cobalt	12.6	5.0	mg/kg	SW846 6010B
Copper	31.4	2.5	mg/kg	SW846 6010B
Molybdenum	0.86 B	4.0	mg/kg	SW846 6010B
Nickel	20.7	4.0	mg/kg	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

E1B090307

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
Build_2_AG_14_020901_01 02/08/01 11:40 004				
Vanadium	59.0	5.0	mg/kg	SW846 6010B
Zinc	69.6	2.0	mg/kg	SW846 6010B
Build_2_AB_20_020901_01 02/09/01 07:50 005				
C12-C13	5.7 J	10	mg/kg	SW846 8015B
C14-C15	25	10	mg/kg	SW846 8015B
C16-C17	58	10	mg/kg	SW846 8015B
C18-C19	54	10	mg/kg	SW846 8015B
C20-C23	24	10	mg/kg	SW846 8015B
C24-C27	9.0 J	10	mg/kg	SW846 8015B
C28-C31	10	10	mg/kg	SW846 8015B
C32-C35	10	10	mg/kg	SW846 8015B
C36-C39	10	10	mg/kg	SW846 8015B
C40+	17	10	mg/kg	SW846 8015B
Total Carbon Chain Range	220	10	mg/kg	SW846 8015B
Mercury	0.026 B	0.10	mg/kg	SW846 7471A
Aluminum	12600	20.0	mg/kg	SW846 6010B
Arsenic	3.8	1.0	mg/kg	SW846 6010B
Barium	91.1	2.0	mg/kg	SW846 6010B
Cadmium	0.15 B	0.50	mg/kg	SW846 6010B
Chromium	16.2	1.0	mg/kg	SW846 6010B
Beryllium	0.46 B	0.50	mg/kg	SW846 6010B
Lead	4.2	0.50	mg/kg	SW846 6010B
Cobalt	8.9	5.0	mg/kg	SW846 6010B
Copper	45.9	2.5	mg/kg	SW846 6010B
Molybdenum	0.56 B	4.0	mg/kg	SW846 6010B
Nickel	11.4	4.0	mg/kg	SW846 6010B
Vanadium	32.9	5.0	mg/kg	SW846 6010B
Zinc	55.9	2.0	mg/kg	SW846 6010B
Acetone	24 J	25	ug/kg	SW846 8260B
Xylenes (total)	9.2	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	9.5	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	12	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	31	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	4.8 J	5.0	ug/kg	SW846 8260B
n-Butylbenzene	13	5.0	ug/kg	SW846 8260B

000006

METHODS SUMMARY

E1B090307

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Extractable Petroleum Hydrocarbons	SW846 8015B	SANA AUTO-SHAKE
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Volatile Organics by GC/MS	SW846 8260B	SW846 5030
Volatile Petroleum Hydrocarbons	SW846 8015B	SW846 5030

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

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SAMPLE SUMMARY

E1B090307

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
DVW6J	002	Build_2_AF_17_020901_01	02/09/01	08:30
DVW6L	003	Build_2_AG_16_020901_01	02/09/01	08:40
DVW6N	004	Build_2_AG_14_020901_01	02/08/01	11:40
DV1DR	005	Build_2_AB_20_020901_01	02/09/01	07:50

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

000008

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AF_17_020901_01

GC Semivolatiles

Lot-Sample #....: E1B090307-002 Work Order #....: DVW6J1AD Matrix.....: SOLID
 Date Sampled....: 02/09/01 08:30 Date Received...: 02/09/01 12:51 MS Run #.....: 1043237
 Prep Date.....: 02/12/01 Analysis Date...: 02/14/01
 Prep Batch #....: 1043460 Analysis Time...: 09:18
 Dilution Factor: 5
 Analyst ID.....: 356074 Instrument ID...: G02
 Method.....: SW846 8015B

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	MDL
C8-C9	ND	50	mg/kg	25
C10-C11	180	50	mg/kg	25
C12-C13	500	50	mg/kg	25
C14-C15	860	50	mg/kg	25
C16-C17	890	50	mg/kg	25
C18-C19	640	50	mg/kg	25
C20-C23	330	50	mg/kg	25
C24-C27	160	50	mg/kg	25
C28-C31	140	50	mg/kg	25
C32-C35	150	50	mg/kg	25
C36-C39	100	50	mg/kg	25
C40+	130	50	mg/kg	25
Total Carbon Chain Range	4100	50	mg/kg	25
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Benzo (a) pyrene	83		(60 - 130)	

000009

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AF_17_020901_01

GC Volatiles

Lot-Sample #....: E1B090307-002 Work Order #....: DVW6J1AE Matrix.....: SOLID
Date Sampled....: 02/09/01 08:30 Date Received...: 02/09/01 12:51 MS Run #.....: 1045099
Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
Prep Batch #....: 1045259 Analysis Time..: 20:56
Dilution Factor: 1
Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
C6-C8	3.8	1.0	mg/kg	0.10
<u>SURROGATE</u>		PERCENT RECOVERY		
a,a,a-Trifluorotoluene (TFT)	76	LIMITS	(60 - 130)	

NOTE (S) :

Unknown hydrocarbon pattern.

000010

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AF_17_020901_01

GC/MS Volatiles

Lot-Sample #....: E1B090307-002 Work Order #....: DVW6J1AC Matrix.....: SOLID
 Date Sampled....: 02/09/01 08:30 Date Received...: 02/09/01 12:51 MS Run #.....: 1045081
 Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
 Prep Batch #....: 1045241 Analysis Time...: 09:46
 Dilution Factor: 5
 Analyst ID.....: 999998 Instrument ID...: MSD
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	50	ug/kg	5.0
Chloromethane	ND	50	ug/kg	15
Vinyl chloride	ND	50	ug/kg	10
Bromomethane	ND	50	ug/kg	10
Chloroethane	ND	50	ug/kg	10
Trichlorofluoromethane	ND	50	ug/kg	10
Acrolein	ND	500	ug/kg	150
1,1-Dichloroethene	ND	25	ug/kg	10
Iodomethane	ND	50	ug/kg	25
Acetone	140	120	ug/kg	75
Carbon disulfide	ND	25	ug/kg	10
Methylene chloride	ND	25	ug/kg	15
trans-1,2-Dichloroethene	ND	25	ug/kg	10
Acrylonitrile	ND	250	ug/kg	150
Methyl tert-butyl ether	ND	25	ug/kg	5.0
1,1-Dichloroethane	ND	25	ug/kg	5.0
Vinyl acetate	ND	50	ug/kg	25
2,2-Dichloropropane	ND	25	ug/kg	10
cis-1,2-Dichloroethene	ND	25	ug/kg	10
2-Butanone	ND	120	ug/kg	75
Bromoform	ND	25	ug/kg	5.0
Tetrahydrofuran	ND	100	ug/kg	50
1,1,1-Trichloroethane	ND	25	ug/kg	5.0
1,1-Dichloropropene	ND	25	ug/kg	5.0
Carbon tetrachloride	ND	25	ug/kg	5.0
Benzene	ND	25	ug/kg	10
1,2-Dichloroethane	ND	25	ug/kg	5.0
Trichloroethene	ND	25	ug/kg	10
1,2-Dichloropropane	ND	25	ug/kg	5.0
Bromodichloromethane	ND	25	ug/kg	5.0
2-Chloroethyl vinyl ether	ND	50	ug/kg	25
cis-1,3-Dichloropropene	ND	25	ug/kg	5.0
4-Methyl-2-pentanone	ND	120	ug/kg	50
Toluene	ND	25	ug/kg	10
trans-1,3-Dichloropropene	ND	25	ug/kg	15
1,1,2-Trichloroethane	ND	25	ug/kg	15

(Continued on next page)

000011

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AF_17_020901_01

GC/MS Volatiles

Lot-Sample #....: E1B090307-002 Work Order #....: DVW6J1AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	25	ug/kg	10
2-Hexanone	ND	120	ug/kg	50
Dibromochloromethane	ND	25	ug/kg	25
1,2-Dibromoethane	ND	25	ug/kg	15
Chlorobenzene	ND	25	ug/kg	10
Ethylbenzene	ND	25	ug/kg	10
Xylenes (total)	ND	25	ug/kg	15
Styrene	ND	50	ug/kg	10
Bromoform	ND	25	ug/kg	15
Isopropylbenzene	20 J	25	ug/kg	10
p-Isopropyltoluene	ND	25	ug/kg	10
Bromobenzene	ND	25	ug/kg	10
1,1,1,2-Tetrachloroethane	ND	25	ug/kg	15
1,1,2,2-Tetrachloroethane	ND	25	ug/kg	15
1,2,3-Trichloropropane	ND	25	ug/kg	15
n-Propylbenzene	40	25	ug/kg	10
2-Chlorotoluene	ND	25	ug/kg	10
4-Chlorotoluene	ND	25	ug/kg	10
1,3,5-Trimethylbenzene	ND	25	ug/kg	10
tert-Butylbenzene	ND	25	ug/kg	10
1,2,4-Trimethylbenzene	ND	25	ug/kg	10
sec-Butylbenzene	190	25	ug/kg	10
1,3-Dichlorobenzene	ND	25	ug/kg	10
1,4-Dichlorobenzene	ND	25	ug/kg	10
1,2-Dichlorobenzene	ND	25	ug/kg	10
n-Butylbenzene	110	25	ug/kg	10
1,2-Dibromo-3-chloro- propane	ND	50	ug/kg	15
1,2,4-Trichloro- benzene	ND	25	ug/kg	10
Hexachlorobutadiene	ND	25	ug/kg	10
1,2,3-Trichlorobenzene	ND	25	ug/kg	10
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	RECOVERY		
		<u>LIMITS</u>		
Bromofluorobenzene	118	(70 - 130)		
1,2-Dichloroethane-d4	108	(60 - 140)		
Toluene-d8	95	(70 - 130)		

NOTE (S) :

J Estimated result. Result is less than RL.

000012

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_16_020901_01

GC Semivolatiles

Lot-Sample #....: E1B090307-003 Work Order #....: DVW6L1AD Matrix.....: SOLID
 Date Sampled....: 02/09/01 08:40 Date Received...: 02/09/01 12:51 MS Run #.....: 1043237
 Prep Date.....: 02/12/01 Analysis Date...: 02/14/01
 Prep Batch #....: 1043460 Analysis Time...: 09:57
 Dilution Factor: 2
 Analyst ID.....: 356074 Instrument ID...: G02
 Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
C8-C9	ND	20	mg/kg	10
C10-C11	35	20	mg/kg	10
C12-C13	120	20	mg/kg	10
C14-C15	190	20	mg/kg	10
C16-C17	260	20	mg/kg	10
C18-C19	180	20	mg/kg	10
C20-C23	77	20	mg/kg	10
C24-C27	42	20	mg/kg	10
C28-C31	40	20	mg/kg	10
C32-C35	37	20	mg/kg	10
C36-C39	31	20	mg/kg	10
C40+	44	20	mg/kg	10
Total Carbon Chain Range	1100	20	mg/kg	10
<hr/>		PERCENT	<hr/>	
<hr/>		RECOVERY	<hr/>	
SURROGATE			LIMITS	
Benzo (a) pyrene	83		(60 - 130)	

000013

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_16_020901_01

GC Volatiles

Lot-Sample #....: E1B090307-003 Work Order #....: DVW6L1AE Matrix.....: SOLID
Date Sampled....: 02/09/01 08:40 Date Received...: 02/09/01 12:51 MS Run #.....: 1045099
Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
Prep Batch #....: 1045259 Analysis Time...: 21:25
Dilution Factor: 1
Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10
SURROGATE	PERCENT	RECOVERY		
	RECOVERY	LIMITS		
a,a,a-Trifluorotoluene (TFT)	61	(60 - 130)		

000014

BOE-C6-0153237

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_16_020901_01

GC/MS Volatiles

Lot-Sample #....: E1B090307-003 Work Order #....: DVW6L1AC Matrix.....: SOLID
 Date Sampled....: 02/09/01 08:40 Date Received...: 02/09/01 12:51 MS Run #.....: 1045081
 Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
 Prep Batch #....: 1045241 Analysis Time..: 10:17
 Dilution Factor: 5
 Analyst ID.....: 999998 Instrument ID...: MSD
 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Dichlorodifluoromethane	ND G	50	ug/kg	5.0
Chloromethane	ND G	50	ug/kg	15
Vinyl chloride	ND G	50	ug/kg	10
Bromomethane	ND G	50	ug/kg	10
Chloroethane	ND G	50	ug/kg	10
Trichlorofluoromethane	ND G	50	ug/kg	10
Acrolein	ND G	500	ug/kg	150
1,1-Dichloroethene	ND G	25	ug/kg	10
Iodomethane	ND G	50	ug/kg	25
Acetone	91 J,G	120	ug/kg	75
Carbon disulfide	ND G	25	ug/kg	10
Methylene chloride	ND G	25	ug/kg	15
trans-1,2-Dichloroethene	ND G	25	ug/kg	10
Acrylonitrile	ND G	250	ug/kg	150
Methyl tert-butyl ether	ND G	25	ug/kg	5.0
1,1-Dichloroethane	ND G	25	ug/kg	5.0
Vinyl acetate	ND G	50	ug/kg	25
2,2-Dichloropropane	ND G	25	ug/kg	10
cis-1,2-Dichloroethene	ND G	25	ug/kg	10
2-Butanone	ND G	120	ug/kg	75
Bromo-chloromethane	ND G	25	ug/kg	5.0
Chloroform	ND G	25	ug/kg	5.0
Tetrahydrofuran	ND G	100	ug/kg	50
1,1,1-Trichloroethane	ND G	25	ug/kg	5.0
1,1-Dichloropropene	ND G	25	ug/kg	5.0
Carbon tetrachloride	ND G	25	ug/kg	5.0
Benzene	ND G	25	ug/kg	10
1,2-Dichloroethane	ND G	25	ug/kg	5.0
Trichloroethene	ND G	25	ug/kg	10
1,2-Dichloropropane	ND G	25	ug/kg	5.0
Bromodichloromethane	ND G	25	ug/kg	5.0
2-Chloroethyl vinyl ether	ND G	50	ug/kg	25
cis-1,3-Dichloropropene	ND G	25	ug/kg	5.0
4-Methyl-2-pentanone	ND G	120	ug/kg	50
Toluene	ND G	25	ug/kg	10
trans-1,3-Dichloropropene	ND G	25	ug/kg	15
1,1,2-Trichloroethane	ND G	25	ug/kg	15

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000015

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_16_020901_01

GC/MS Volatiles

Lot-Sample #....: E1B090307-003 Work Order #....: DVW6L1AC Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND G	25	ug/kg	10
2-Hexanone	ND G	120	ug/kg	50
Dibromochloromethane	ND G	25	ug/kg	25
1,2-Dibromoethane	ND G	25	ug/kg	15
Chlorobenzene	ND G	25	ug/kg	10
Ethylbenzene	ND G	25	ug/kg	10
Xylenes (total)	ND G	25	ug/kg	15
Styrene	ND G	50	ug/kg	10
Bromoform	ND G	25	ug/kg	15
Isopropylbenzene	ND G	25	ug/kg	10
p-Isopropyltoluene	24 J,G	25	ug/kg	10
Bromobenzene	ND G	25	ug/kg	10
1,1,1,2-Tetrachloroethane	ND G	25	ug/kg	15
1,1,2,2-Tetrachloroethane	ND G	25	ug/kg	15
1,2,3-Trichloropropane	ND G	25	ug/kg	15
n-Propylbenzene	ND G	25	ug/kg	10
2-Chlorotoluene	ND G	25	ug/kg	10
4-Chlorotoluene	ND G	25	ug/kg	10
1,3,5-Trimethylbenzene	ND G	25	ug/kg	10
tert-Butylbenzene	ND G	25	ug/kg	10
1,2,4-Trimethylbenzene	ND G	25	ug/kg	10
sec-Butylbenzene	26 G	25	ug/kg	10
1,3-Dichlorobenzene	ND G	25	ug/kg	10
1,4-Dichlorobenzene	ND G	25	ug/kg	10
1,2-Dichlorobenzene	ND G	25	ug/kg	10
n-Butylbenzene	26 G	25	ug/kg	10
1,2-Dibromo-3-chloro- propane	ND G	50	ug/kg	15
1,2,4-Trichloro- benzene	ND G	25	ug/kg	10
Hexachlorobutadiene	ND G	25	ug/kg	10
1,2,3-Trichlorobenzene	ND G	25	ug/kg	10
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	RECOVERY LIMITS		
		(70 - 130)		
Bromofluorobenzene	100			
1,2-Dichloroethane-d4	90	(60 - 140)		
Toluene-d8	101	(70 - 130)		

NOTE (S) :

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

J Estimated result. Result is less than RL.

000016

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_14_020901_01

GC Semivolatiles

Lot-Sample #....: E1B090307-004 Work Order #....: DVW6N1AD Matrix.....: SOLID
 Date Sampled....: 02/08/01 11:40 Date Received...: 02/09/01 12:51 MS Run #.....: 1043237
 Prep Date.....: 02/12/01 Analysis Date...: 02/14/01
 Prep Batch #....: 1043460 Analysis Time..: 10:37
 Dilution Factor: 2
 Analyst ID.....: 356074 Instrument ID...: G02
 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
C8-C9	ND	20	mg/kg	10
C10-C11	ND	20	mg/kg	10
C12-C13	ND	20	mg/kg	10
C14-C15	ND	20	mg/kg	10
C16-C17	11 J	20	mg/kg	10
C18-C19	23	20	mg/kg	10
C20-C23	67	20	mg/kg	10
C24-C27	130	20	mg/kg	10
C28-C31	200	20	mg/kg	10
C32-C35	210	20	mg/kg	10
C36-C39	210	20	mg/kg	10
C40+	170	20	mg/kg	10
Total Carbon Chain Range	1000	20	mg/kg	10
<u>SURROGATE</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
Benzo (a) pyrene		84	<u>LIMITS</u>	
			(60 - 130)	

NOTE (S) :

J Estimated result. Result is less than RL.

000017

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_14_020901_01

GC Volatiles

Lot-Sample #....: E1B090307-004 Work Order #....: DVW6N1AE Matrix.....: SOLID
Date Sampled....: 02/08/01 11:40 Date Received...: 02/09/01 12:51 MS Run #.....: 1045099
Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
Prep Batch #....: 1045259 Analysis Time..: 21:54
Dilution Factor: 1
Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
C6-C8	ND	1.0	mg/kg	0.10
<u>SURROGATE</u>	<u>PERCENT</u>	RECOVERY		
a,a,a-Trifluorotoluene (TFT)	RECOVERY	<u>LIMITS</u>		
	83	(60 - 130)		

000018

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_14_020901_01

GC/MS Volatiles

Lot-Sample #....: E1B090307-004 Work Order #....: DVW6N1AC Matrix.....: SOLID
 Date Sampled....: 02/08/01 11:40 Date Received...: 02/09/01 12:51 MS Run #.....: 1045081
 Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
 Prep Batch #....: 1045241 Analysis Time...: 14:23
 Dilution Factor: 1
 Analyst ID.....: 999998 Instrument ID...: MSD
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	ND	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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000019

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_14_020901_01

GC/MS Volatiles

Lot-Sample #....: E1B090307-004 Work Order #....: DVW6N1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING		MDL
		LIMIT	UNITS	
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	ND	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	ND	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	2.0
sec-Butylbenzene	ND	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	ND	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro- propane	ND	10	ug/kg	3.0
1,2,4-Trichloro- benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
 <u>SURROGATE</u>		PERCENT RECOVERY	RECOVERY LIMITS	
Bromofluorobenzene	132 *		(70 - 130)	
1,2-Dichloroethane-d4	86		(60 - 140)	
Toluene-d8	94		(70 - 130)	

NOTE (S) :

The surrogate recovery in the sample is outside control limits due to confirmed matrix effect.

* Surrogate recovery is outside stated control limits.

000020

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AB_20_020901_01

GC Semivolatiles

Lot-Sample #....: E1B090307-005 Work Order #....: DV1DR1AE Matrix.....: SOLID
 Date Sampled....: 02/09/01 07:50 Date Received...: 02/09/01 12:51 MS Run #.....: 1043237
 Prep Date.....: 02/12/01 Analysis Date...: 02/14/01
 Prep Batch #....: 1043460 Analysis Time...: 00:32
 Dilution Factor: 1
 Analyst ID.....: 356074 Instrument ID...: G02
 Method.....: SW846 8015B

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
C8-C9	ND	10	mg/kg	5.0
C10-C11	ND	10	mg/kg	5.0
C12-C13	5.7 J	10	mg/kg	5.0
C14-C15	25	10	mg/kg	5.0
C16-C17	58	10	mg/kg	5.0
C18-C19	54	10	mg/kg	5.0
C20-C23	24	10	mg/kg	5.0
C24-C27	9.0 J	10	mg/kg	5.0
C28-C31	10	10	mg/kg	5.0
C32-C35	10	10	mg/kg	5.0
C36-C39	10	10	mg/kg	5.0
C40+	17	10	mg/kg	5.0
Total Carbon Chain Range	220	10	mg/kg	5.0
<u>SURROGATE</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
Benzo (a) pyrene		95	<u>LIMITS</u>	
			(60 - 130)	

NOTE(S) :

J Estimated result. Result is less than RL.

000021

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AB_20_020901_01

GC Volatiles

Lot-Sample #....: E1B090307-005 Work Order #....: DV1DR1AF Matrix.....: SOLID
Date Sampled....: 02/09/01 07:50 Date Received...: 02/09/01 12:51 MS Run #.....: 1045099
Prep Date.....: 02/13/01 Analysis Date...: 02/14/01
Prep Batch #....: 1045259 Analysis Time...: 00:45
Dilution Factor: 1
Analyst ID.....: 001464 Instrument ID...: G16
Method.....: SW846 8015B

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
C6-C8	ND	1.0	mg/kg	0.10
SURROGATE	PERCENT	RECOVERY		
a,a,a-Trifluorotoluene (TFT)	RECOVERY	LIMITS		
	88	(60 - 130)		

000022

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AB_20_020901_01

GC/MS Volatiles

Lot-Sample #....: E1B090307-005 Work Order #....: DV1DR1AD Matrix.....: SOLID
 Date Sampled....: 02/09/01 07:50 Date Received...: 02/09/01 12:51 MS Run #.....: 1045081
 Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
 Prep Batch #....: 1045241 Analysis Time...: 11:19
 Dilution Factor: 1
 Analyst ID.....: 999998 Instrument ID...: MSD
 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Dichlorodifluoromethane	ND	10	ug/kg	1.0
Chloromethane	ND	10	ug/kg	3.0
Vinyl chloride	ND	10	ug/kg	2.0
Bromomethane	ND	10	ug/kg	2.0
Chloroethane	ND	10	ug/kg	2.0
Trichlorofluoromethane	ND	10	ug/kg	2.0
Acrolein	ND	100	ug/kg	30
1,1-Dichloroethene	ND	5.0	ug/kg	2.0
Iodomethane	ND	10	ug/kg	5.0
Acetone	24 J	25	ug/kg	15
Carbon disulfide	ND	5.0	ug/kg	2.0
Methylene chloride	ND	5.0	ug/kg	3.0
trans-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
Acrylonitrile	ND	50	ug/kg	30
Methyl tert-butyl ether	ND	5.0	ug/kg	1.0
1,1-Dichloroethane	ND	5.0	ug/kg	1.0
Vinyl acetate	ND	10	ug/kg	5.0
2,2-Dichloropropane	ND	5.0	ug/kg	2.0
cis-1,2-Dichloroethene	ND	5.0	ug/kg	2.0
2-Butanone	ND	25	ug/kg	15
Bromoform	ND	5.0	ug/kg	1.0
Tetrahydrofuran	ND	20	ug/kg	10
1,1,1-Trichloroethane	ND	5.0	ug/kg	1.0
1,1-Dichloropropene	ND	5.0	ug/kg	1.0
Carbon tetrachloride	ND	5.0	ug/kg	1.0
Benzene	ND	5.0	ug/kg	2.0
1,2-Dichloroethane	ND	5.0	ug/kg	1.0
Trichloroethene	ND	5.0	ug/kg	2.0
1,2-Dichloropropane	ND	5.0	ug/kg	1.0
Bromodichloromethane	ND	5.0	ug/kg	1.0
2-Chloroethyl vinyl ether	ND	10	ug/kg	5.0
cis-1,3-Dichloropropene	ND	5.0	ug/kg	1.0
4-Methyl-2-pentanone	ND	25	ug/kg	10
Toluene	ND	5.0	ug/kg	2.0
trans-1,3-Dichloropropene	ND	5.0	ug/kg	3.0
1,1,2-Trichloroethane	ND	5.0	ug/kg	3.0

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AB_20_020901_01

GC/MS Volatiles

Lot-Sample #....: E1B090307-005 Work Order #....: DV1DR1AD Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
Tetrachloroethene	ND	5.0	ug/kg	2.0
2-Hexanone	ND	25	ug/kg	10
Dibromochloromethane	ND	5.0	ug/kg	5.0
1,2-Dibromoethane	ND	5.0	ug/kg	3.0
Chlorobenzene	ND	5.0	ug/kg	2.0
Ethylbenzene	ND	5.0	ug/kg	2.0
Xylenes (total)	9.2	5.0	ug/kg	3.0
Styrene	ND	10	ug/kg	2.0
Bromoform	ND	5.0	ug/kg	3.0
Isopropylbenzene	ND	5.0	ug/kg	2.0
p-Isopropyltoluene	9.5	5.0	ug/kg	2.0
Bromobenzene	ND	5.0	ug/kg	2.0
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	3.0
1,2,3-Trichloropropane	ND	5.0	ug/kg	3.0
n-Propylbenzene	ND	5.0	ug/kg	2.0
2-Chlorotoluene	ND	5.0	ug/kg	2.0
4-Chlorotoluene	ND	5.0	ug/kg	2.0
1,3,5-Trimethylbenzene	12	5.0	ug/kg	2.0
tert-Butylbenzene	ND	5.0	ug/kg	2.0
1,2,4-Trimethylbenzene	31	5.0	ug/kg	2.0
sec-Butylbenzene	4.8 J	5.0	ug/kg	2.0
1,3-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,4-Dichlorobenzene	ND	5.0	ug/kg	2.0
1,2-Dichlorobenzene	ND	5.0	ug/kg	2.0
n-Butylbenzene	13	5.0	ug/kg	2.0
1,2-Dibromo-3-chloro- propane	ND	10	ug/kg	3.0
1,2,4-Trichloro- benzene	ND	5.0	ug/kg	2.0
Hexachlorobutadiene	ND	5.0	ug/kg	2.0
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	2.0
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	121	(70 - 130)		
1,2-Dichloroethane-d4	84	(60 - 140)		
Toluene-d8	99	(70 - 130)		

NOTE (S) :

J Estimated result. Result is less than RL.

000024

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AF_17_020901_01

TOTAL Metals

Lot-Sample #....: E1B090307-002 **Matrix.....:** SOLID
Date Sampled....: 02/09/01 08:30 **Date Received...:** 02/09/01 12:51

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 1043384						
Aluminum	19300	20.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6J1AF
		Dilution Factor: 1		Analysis Time...: 14:14	Analyst ID.....: 003119	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 8.0	
Arsenic	3.2	1.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6J1AG
		Dilution Factor: 1		Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6J1AH
		Dilution Factor: 1		Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.20	
Barium	141	2.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6J1AJ
		Dilution Factor: 1		Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.10	
Cadmium	ND	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6J1AK
		Dilution Factor: 1		Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.050	
Chromium	25.8	1.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6J1AL
		Dilution Factor: 1		Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.10	
Beryllium	0.64	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6J1AM
		Dilution Factor: 1		Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.050	
Lead	7.2	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6J1AN
		Dilution Factor: 1		Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6J1AP
		Dilution Factor: 1		Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.40	

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AF_17_020901_01

TOTAL Metals

Lot-Sample #....: E1B090307-002

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Silver	ND	1.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6J1AQ
		Dilution Factor: 1			Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.10	
Cobalt	11.1	5.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6J1AR
		Dilution Factor: 1			Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.10	
Copper	33.0	2.5	mg/kg		SW846 6010B	02/13-02/14/01	DVW6J1AT
		Dilution Factor: 1			Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.40	
Molybdenum	0.67 B	4.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6J1AU
		Dilution Factor: 1			Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.30	
Nickel	15.3	4.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6J1AV
		Dilution Factor: 1			Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6J1AW
		Dilution Factor: 1			Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.50	
Vanadium	46.8	5.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6J1AX
		Dilution Factor: 1			Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.10	
Zinc	59.3	2.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6J1A0
		Dilution Factor: 1			Analysis Time...: 14:14	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 1.0	
Prep Batch #....:	1043387						
Mercury	0.020 B	0.10	mg/kg		SW846 7471A	02/14/01	DVW6J1AA
		Dilution Factor: 1			Analysis Time...: 14:58	Analyst ID.....: 0210883	
		Instrument ID...: M04			MS Run #.....: 1043217	MDL.....: 0.020	

NOTE (S) :

B Estimated result. Result is less than RL.

000026

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_16_020901_01

TOTAL Metals

Lot-Sample #....: E1B090307-003
 Date Sampled...: 02/09/01 08:40 Date Received..: 02/09/01 12:51 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	1043384					
Aluminum	14300	20.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6L1AF
		Dilution Factor: 1		Analysis Time...: 14:39	Analyst ID.....:	003119
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	8.0
Arsenic	2.8	1.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6L1AG
		Dilution Factor: 1		Analysis Time...: 14:39	Analyst ID.....:	0031193
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.40
Antimony	ND	6.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6L1AH
		Dilution Factor: 1		Analysis Time...: 14:39	Analyst ID.....:	0031193
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.20
Barium	108	2.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6L1AJ
		Dilution Factor: 1		Analysis Time...: 14:39	Analyst ID.....:	0031193
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.10
Cadmium	ND	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6L1AK
		Dilution Factor: 1		Analysis Time...: 14:39	Analyst ID.....:	0031193
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.050
Chromium	18.3	1.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6L1AL
		Dilution Factor: 1		Analysis Time...: 14:39	Analyst ID.....:	0031193
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.10
Beryllium	0.51	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6L1AM
		Dilution Factor: 1		Analysis Time...: 14:39	Analyst ID.....:	0031193
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.050
Lead	4.6	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6L1AN
		Dilution Factor: 1		Analysis Time...: 14:39	Analyst ID.....:	0031193
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.30
Selenium	ND	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6L1AP
		Dilution Factor: 1		Analysis Time...: 14:39	Analyst ID.....:	0031193
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.40

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KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_16_020901_01

TOTAL Metals

Lot-Sample #....: E1B090307-003

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Silver	ND	1.0	mg/kg		SW846 6010B			02/13-02/14/01	DVW6L1AQ
		Dilution Factor: 1			Analysis Time...: 14:39				Analyst ID.....: 0031193
		Instrument ID...: M01			MS Run #.....: 1043213				MDL.....: 0.10
Cobalt	9.1	5.0	mg/kg		SW846 6010B			02/13-02/14/01	DVW6L1AR
		Dilution Factor: 1			Analysis Time...: 14:39				Analyst ID.....: 0031193
		Instrument ID...: M01			MS Run #.....: 1043213				MDL.....: 0.10
Copper	95.3	2.5	mg/kg		SW846 6010B			02/13-02/14/01	DVW6L1AT
		Dilution Factor: 1			Analysis Time...: 14:39				Analyst ID.....: 0031193
		Instrument ID...: M01			MS Run #.....: 1043213				MDL.....: 0.40
Molybdenum	0.68 B	4.0	mg/kg		SW846 6010B			02/13-02/14/01	DVW6L1AU
		Dilution Factor: 1			Analysis Time...: 14:39				Analyst ID.....: 0031193
		Instrument ID...: M01			MS Run #.....: 1043213				MDL.....: 0.30
Nickel	11.8	4.0	mg/kg		SW846 6010B			02/13-02/14/01	DVW6L1AV
		Dilution Factor: 1			Analysis Time...: 14:39				Analyst ID.....: 0031193
		Instrument ID...: M01			MS Run #.....: 1043213				MDL.....: 0.30
Thallium	ND	1.0	mg/kg		SW846 6010B			02/13-02/14/01	DVW6L1AW
		Dilution Factor: 1			Analysis Time...: 14:39				Analyst ID.....: 0031193
		Instrument ID...: M01			MS Run #.....: 1043213				MDL.....: 0.50
Vanadium	38.3	5.0	mg/kg		SW846 6010B			02/13-02/14/01	DVW6L1AX
		Dilution Factor: 1			Analysis Time...: 14:39				Analyst ID.....: 0031193
		Instrument ID...: M01			MS Run #.....: 1043213				MDL.....: 0.10
Zinc	72.1	2.0	mg/kg		SW846 6010B			02/13-02/14/01	DVW6L1AO
		Dilution Factor: 1			Analysis Time...: 14:39				Analyst ID.....: 0031193
		Instrument ID...: M01			MS Run #.....: 1043213				MDL.....: 1.0
Prep Batch #....: 1043387									
Mercury	ND	0.10	mg/kg		SW846 7471A			02/14/01	DVW6L1AA
		Dilution Factor: 1			Analysis Time...: 15:00				Analyst ID.....: 0210883
		Instrument ID...: M04			MS Run #.....: 1043217				MDL.....: 0.020

NOTE(S) :

B Estimated result. Result is less than RL.

000028

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_14_020901_01

TOTAL Metals

Lot-Sample #....: E1B090307-004
 Date Sampled...: 02/08/01 11:40 Date Received..: 02/09/01 12:51 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #....: 1043384							
Aluminum	26000	20.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6N1AF	
		Dilution Factor: 1		Analysis Time...: 14:47	Analyst ID.....: 003119		
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 8.0		
Arsenic	3.9	1.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6N1AG	
		Dilution Factor: 1		Analysis Time...: 14:47	Analyst ID.....: 0031193		
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.40		
Antimony	ND	6.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6N1AH	
		Dilution Factor: 1		Analysis Time...: 14:47	Analyst ID.....: 0031193		
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.20		
Barium	163	2.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6N1AJ	
		Dilution Factor: 1		Analysis Time...: 14:47	Analyst ID.....: 0031193		
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.10		
Cadmium	0.11 B	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6N1AK	
		Dilution Factor: 1		Analysis Time...: 14:47	Analyst ID.....: 0031193		
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.050		
Chromium	28.8	1.0	mg/kg	SW846 6010B	02/13-02/14/01	DVW6N1AL	
		Dilution Factor: 1		Analysis Time...: 14:47	Analyst ID.....: 0031193		
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.10		
Beryllium	0.79	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6N1AM	
		Dilution Factor: 1		Analysis Time...: 14:47	Analyst ID.....: 0031193		
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.050		
Lead	6.0	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6N1AN	
		Dilution Factor: 1		Analysis Time...: 14:47	Analyst ID.....: 0031193		
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.30		
Selenium	ND	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DVW6N1AP	
		Dilution Factor: 1		Analysis Time...: 14:47	Analyst ID.....: 0031193		
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....: 0.40		

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000029

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AG_14_020901_01

TOTAL Metals

Lot-Sample #....: E1B090307-004

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS			ANALYSIS DATE	ORDER #
Silver	ND	1.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6N1AQ
		Dilution Factor: 1			Analysis Time...: 14:47	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.10	
Cobalt	12.6	5.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6N1AR
		Dilution Factor: 1			Analysis Time...: 14:47	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.10	
Copper	31.4	2.5	mg/kg		SW846 6010B	02/13-02/14/01	DVW6N1AT
		Dilution Factor: 1			Analysis Time...: 14:47	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.40	
Molybdenum	0.86 B	4.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6N1AU
		Dilution Factor: 1			Analysis Time...: 14:47	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.30	
Nickel	20.7	4.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6N1AV
		Dilution Factor: 1			Analysis Time...: 14:47	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.30	
Thallium	ND	1.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6N1AW
		Dilution Factor: 1			Analysis Time...: 14:47	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.50	
Vanadium	59.0	5.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6N1AX
		Dilution Factor: 1			Analysis Time...: 14:47	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 0.10	
Zinc	69.6	2.0	mg/kg		SW846 6010B	02/13-02/14/01	DVW6N1AO
		Dilution Factor: 1			Analysis Time...: 14:47	Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213	MDL.....: 1.0	
Prep Batch #...: 1043387							
Mercury	0.040 B	0.10	mg/kg		SW846 7471A	02/14/01	DVW6N1AA
		Dilution Factor: 1			Analysis Time...: 15:01	Analyst ID.....: 0210883	
		Instrument ID...: M04			MS Run #.....: 1043217	MDL.....: 0.020	

NOTE (S) :

B Estimated result. Result is less than RL.

000030

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AB_20_020901_01

TOTAL Metals

Lot-Sample #....: E1B090307-005
 Date Sampled...: 02/09/01 07:50 Date Received..: 02/09/01 12:51 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #....: 1043384							
Aluminum	12600	20.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1DR1AG	
		Dilution Factor: 1		Analysis Time...: 15:33	Analyst ID.....:	003119	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	8.0	
Arsenic	3.8	1.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1DR1AH	
		Dilution Factor: 1		Analysis Time...: 15:33	Analyst ID.....:	0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.40	
Antimony	ND	6.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1DR1AJ	
		Dilution Factor: 1		Analysis Time...: 15:33	Analyst ID.....:	0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.20	
Barium	91.1	2.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1DR1AK	
		Dilution Factor: 1		Analysis Time...: 15:33	Analyst ID.....:	0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.10	
Cadmium	0.15 B	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DV1DR1AL	
		Dilution Factor: 1		Analysis Time...: 15:33	Analyst ID.....:	0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.050	
Chromium	16.2	1.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1DR1AM	
		Dilution Factor: 1		Analysis Time...: 15:33	Analyst ID.....:	0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.10	
Beryllium	0.46 B	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DV1DR1AN	
		Dilution Factor: 1		Analysis Time...: 15:33	Analyst ID.....:	0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.050	
Lead	14.2	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DV1DR1AP	
		Dilution Factor: 1		Analysis Time...: 15:33	Analyst ID.....:	0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.30	
Selenium	ND	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DV1DR1AQ	
		Dilution Factor: 1		Analysis Time...: 15:33	Analyst ID.....:	0031193	
		Instrument ID...: M01		MS Run #.....: 1043213	MDL.....:	0.40	

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000031

KENNEDY/JENKS CONSULTANTS

Client Sample ID: Build_2_AB_20_020901_01

TOTAL Metals

Lot-Sample #....: E1B090307-005

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Silver	ND	1.0	mg/kg		SW846 6010B			02/13-02/14/01	DV1DR1AR
		Dilution Factor: 1			Analysis Time...: 15:33			Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213			MDL.....: 0.10	
Cobalt	8.9	5.0	mg/kg		SW846 6010B			02/13-02/14/01	DV1DR1AT
		Dilution Factor: 1			Analysis Time...: 15:33			Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213			MDL.....: 0.10	
Copper	45.9	2.5	mg/kg		SW846 6010B			02/13-02/14/01	DV1DR1AU
		Dilution Factor: 1			Analysis Time...: 15:33			Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213			MDL.....: 0.40	
Molybdenum	0.56 B	4.0	mg/kg		SW846 6010B			02/13-02/14/01	DV1DR1AV
		Dilution Factor: 1			Analysis Time...: 15:33			Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213			MDL.....: 0.30	
Nickel	11.4	4.0	mg/kg		SW846 6010B			02/13-02/14/01	DV1DR1AW
		Dilution Factor: 1			Analysis Time...: 15:33			Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213			MDL.....: 0.30	
Thallium	ND	1.0	mg/kg		SW846 6010B			02/13-02/14/01	DV1DR1AX
		Dilution Factor: 1			Analysis Time...: 15:33			Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213			MDL.....: 0.50	
Vanadium	32.9	5.0	mg/kg		SW846 6010B			02/13-02/14/01	DV1DR1AO
		Dilution Factor: 1			Analysis Time...: 15:33			Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213			MDL.....: 0.10	
Zinc	55.9	2.0	mg/kg		SW846 6010B			02/13-02/14/01	DV1DR1AA
		Dilution Factor: 1			Analysis Time...: 15:33			Analyst ID.....: 0031193	
		Instrument ID...: M01			MS Run #.....: 1043213			MDL.....: 1.0	
Prep Batch #....:	1043387								
Mercury	0.026 B	0.10	mg/kg		SW846 7471A			02/14/01	DV1DR1AC
		Dilution Factor: 1			Analysis Time...: 15:03			Analyst ID.....: 0210883	
		Instrument ID...: M04			MS Run #.....: 1043217			MDL.....: 0.020	

NOTE(S) :

B Estimated result. Result is less than RL.

000032

QC DATA ASSOCIATION SUMMARY

E1B090307

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
002	SOLID	SW846 8015B		1043460	1043237
	SOLID	SW846 8015B		1045259	1045099
	SOLID	SW846 7471A		1043387	1043217
	SOLID	SW846 8260B		1045241	1045081
	SOLID	SW846 6010B		1043384	1043213
003	SOLID	SW846 8015B		1043460	1043237
	SOLID	SW846 8015B		1045259	1045099
	SOLID	SW846 7471A		1043387	1043217
	SOLID	SW846 8260B		1045241	1045081
	SOLID	SW846 6010B		1043384	1043213
004	SOLID	SW846 8015B		1043460	1043237
	SOLID	SW846 8015B		1045259	1045099
	SOLID	SW846 7471A		1043387	1043217
	SOLID	SW846 8260B		1045241	1045081
	SOLID	SW846 6010B		1043384	1043213
005	SOLID	SW846 8015B		1043460	1043237
	SOLID	SW846 8015B		1045259	1045099
	SOLID	SW846 7471A		1043387	1043217
	SOLID	SW846 8260B		1045241	1045081
	SOLID	SW846 6010B		1043384	1043213

000033

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #....: E1B090307
MB Lot-Sample #: E1B120000-460
Analysis Date..: 02/13/01
Dilution Factor: 1

Work Order #....: DV1QV1AA
Prep Date.....: 02/12/01
Prep Batch #....: 1043460
Analyst ID.....: 356074

Matrix.....: SOLID
Analysis Time..: 21:18
Instrument ID..: G02

PARAMETER	REPORTING			
	RESULT	LIMIT	UNITS	METHOD
C8-C9	ND	10	mg/kg	SW846 8015B
C10-C11	ND	10	mg/kg	SW846 8015B
C12-C13	ND	10	mg/kg	SW846 8015B
C14-C15	ND	10	mg/kg	SW846 8015B
C16-C17	ND	10	mg/kg	SW846 8015B
C18-C19	ND	10	mg/kg	SW846 8015B
C20-C23	ND	10	mg/kg	SW846 8015B
C24-C27	ND	10	mg/kg	SW846 8015B
C28-C31	ND	10	mg/kg	SW846 8015B
C32-C35	ND	10	mg/kg	SW846 8015B
C36-C39	ND	10	mg/kg	SW846 8015B
C40+	ND	10	mg/kg	SW846 8015B
Total Carbon Chain Range	ND	10	mg/kg	SW846 8015B
SURROGATE	PERCENT	RECOVERY		
	RECOVERY	LIMITS		
Benzo(a)pyrene	92	(60 - 130)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000034

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E1B090307
 MB Lot-Sample #: E1B140000-241
 Analysis Date...: 02/13/01
 Dilution Factor: 1

Work Order #....: DV4KM1AA

Matrix.....: SOLID

Prep Date.....: 02/13/01
 Prep Batch #....: 1045241

Analysis Time...: 08:55
 Instrument ID...: MSD

Analyst ID.....: 999998

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Iodomethane	ND	10	ug/kg	SW846 8260B
Acetone	ND	25	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
Acrylonitrile	ND	50	ug/kg	SW846 8260B
Methyl tert-butyl ether	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	25	ug/kg	SW846 8260B
Bromochloromethane	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Tetrahydrofuran	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	25	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	25	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B

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000035

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: E1B090307

Work Order #....: DV4KM1AA

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	10	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Isopropylbenzene	ND	5.0	ug/kg	SW846 8260B
p-Isopropyltoluene	ND	5.0	ug/kg	SW846 8260B
Bromobenzene	ND	5.0	ug/kg	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
n-Propylbenzene	ND	5.0	ug/kg	SW846 8260B
2-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
4-Chlorotoluene	ND	5.0	ug/kg	SW846 8260B
1,3,5-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
tert-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2,4-Trimethylbenzene	ND	5.0	ug/kg	SW846 8260B
sec-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
n-Butylbenzene	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro- propane	ND	10	ug/kg	SW846 8260B
1,2,4-Trichloro- benzene	ND	5.0	ug/kg	SW846 8260B
Hexachlorobutadiene	ND	5.0	ug/kg	SW846 8260B
1,2,3-Trichlorobenzene	ND	5.0	ug/kg	SW846 8260B
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>		
Bromofluorobenzene	98	(70 - 130)		
1,2-Dichloroethane-d4	96	(60 - 140)		
Toluene-d8	88	(70 - 130)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000036

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: E1B090307
MB Lot-Sample #: E1B140000-259

Analysis Date..: 02/13/01
Dilution Factor: 1

Work Order #...: DV4M81AA

Prep Date.....: 02/13/01
Prep Batch #: 1045259

Matrix.....: SOLID

Analysis Time..: 11:27
Instrument ID..: G16

Analyst ID.....: 001464

PARAMETER	REPORTING			METHOD
	RESULT	LIMIT	UNITS	
C6-C8	ND	1.0	mg/kg	SW846 8015B
SURROGATE	PERCENT	RECOVERY		
a,a,a-Trifluorotoluene (TFT)	RECOVERY	LIMITS		
	82	(60 - 130)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

000037

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MB Lot-Sample #: E1B120000-384 Prep Batch #: 1043384						
Aluminum	ND	20.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1L11AA
		Dilution Factor: 1				
		Analysis Time...: 11:54		Analyst ID.....: 003119	Instrument ID...: M01	
Arsenic	ND	1.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1L11AC
		Dilution Factor: 1				
		Analysis Time...: 11:54		Analyst ID.....: 003119	Instrument ID...: M01	
Antimony	ND	6.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1L11AD
		Dilution Factor: 1				
		Analysis Time...: 11:54		Analyst ID.....: 003119	Instrument ID...: M01	
Barium	ND	2.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1L11AE
		Dilution Factor: 1				
		Analysis Time...: 11:54		Analyst ID.....: 003119	Instrument ID...: M01	
Cadmium	ND	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DV1L11AF
		Dilution Factor: 1				
		Analysis Time...: 11:54		Analyst ID.....: 003119	Instrument ID...: M01	
Chromium	0.14 B	1.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1L11AG
		Dilution Factor: 1				
		Analysis Time...: 11:54		Analyst ID.....: 003119	Instrument ID...: M01	
Beryllium	ND	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DV1L11AH
		Dilution Factor: 1				
		Analysis Time...: 11:54		Analyst ID.....: 003119	Instrument ID...: M01	
Lead	ND	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DV1L11AJ
		Dilution Factor: 1				
		Analysis Time...: 11:54		Analyst ID.....: 003119	Instrument ID...: M01	
Selenium	ND	0.50	mg/kg	SW846 6010B	02/13-02/14/01	DV1L11AK
		Dilution Factor: 1				
		Analysis Time...: 11:54		Analyst ID.....: 003119	Instrument ID...: M01	
Silver	ND	1.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1L11AL
		Dilution Factor: 1				
		Analysis Time...: 11:54		Analyst ID.....: 003119	Instrument ID...: M01	
Cobalt	ND	5.0	mg/kg	SW846 6010B	02/13-02/14/01	DV1L11AM
		Dilution Factor: 1				
		Analysis Time...: 11:54		Analyst ID.....: 003119	Instrument ID...: M01	

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000038

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Copper	ND	2.5	mg/kg		SW846 6010B	02/13-02/14/01	DV1L11AN
		Dilution Factor: 1					
		Analysis Time...: 11:54			Analyst ID.....: 003119		Instrument ID...: M01
Molybdenum	ND	4.0	mg/kg		SW846 6010B	02/13-02/14/01	DV1L11AP
		Dilution Factor: 1					
		Analysis Time...: 11:54			Analyst ID.....: 003119		Instrument ID...: M01
Nickel	ND	4.0	mg/kg		SW846 6010B	02/13-02/14/01	DV1L11AQ
		Dilution Factor: 1					
		Analysis Time...: 11:54			Analyst ID.....: 003119		Instrument ID...: M01
Thallium	ND	1.0	mg/kg		SW846 6010B	02/13-02/14/01	DV1L11AR
		Dilution Factor: 1					
		Analysis Time...: 11:54			Analyst ID.....: 003119		Instrument ID...: M01
Vanadium	ND	5.0	mg/kg		SW846 6010B	02/13-02/14/01	DV1L11AT
		Dilution Factor: 1					
		Analysis Time...: 11:54			Analyst ID.....: 003119		Instrument ID...: M01
Zinc	ND	2.0	mg/kg		SW846 6010B	02/13-02/14/01	DV1L11AU
		Dilution Factor: 1					
		Analysis Time...: 11:54			Analyst ID.....: 003119		Instrument ID...: M01

MB Lot-Sample #: E1B120000-387 Prep Batch #....: 1043387

Mercury	ND	0.10	mg/kg	SW846 7471A	02/14/01	DV1MM1AA
		Dilution Factor: 1				
		Analysis Time...: 14:32		Analyst ID.....: 021088		Instrument ID...: M04

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

000039

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: E1B090307 Work Order #....: DV1QV1AC Matrix.....: SOLID
LCS Lot-Sample#: E1B120000-460
Prep Date.....: 02/12/01 Analysis Date...: 02/13/01
Prep Batch #....: 1043460 Analysis Time...: 21:57
Dilution Factor: 1 Instrument ID...: G02
Analyst ID.....: 356074

PARAMETER	SPIKE <u>AMOUNT</u>	MEASURED <u>AMOUNT</u>	PERCENT <u>UNITS</u>	PERCENT <u>RECOVERY</u>	METHOD
TPH (as Diesel)	250	209	mg/kg	84	SW846 8015B
SURROGATE		PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>		
Benzo (a) pyrene		88	(60 - 130)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000040

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E1B090307 Work Order #....: DV4KM1AC Matrix.....: SOLID
 LCS Lot-Sample#: E1B140000-241
 Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
 Prep Batch #....: 1045241 Analysis Time...: 08:24
 Dilution Factor: 1 Instrument ID...: MSD
 Analyst ID.....: 999998

<u>PARAMETER</u>	SPIKE <u>AMOUNT</u>	MEASURED <u>AMOUNT</u>	UNITS	PERCENT <u>RECOVERY</u>	METHOD
1,1-Dichloroethene	50.0	53.9	ug/kg	108	SW846 8260B
Benzene	50.0	50.3	ug/kg	101	SW846 8260B
Trichloroethene	50.0	42.6	ug/kg	85	SW846 8260B
Toluene	50.0	52.2	ug/kg	104	SW846 8260B
Chlorobenzene	50.0	51.0	ug/kg	102	SW846 8260B

<u>SURROGATE</u>	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Bromofluorobenzene	99	(70 - 130)
1,2-Dichloroethane-d4	108	(60 - 140)
Toluene-d8	94	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000041

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: E1B090307 **Work Order #....:** DV4M81AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1B140000-259
Prep Date.....: 02/13/01 **Analysis Date...:** 02/13/01
Prep Batch #....: 1045259 **Analysis Time..:** 10:58
Dilution Factor: 1 **Instrument ID..:** G16
Analyst ID.....: 001464

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
TPH (as Gasoline)	5.00	5.06	mg/kg 101	SW846 8015B
SURROGATE		PERCENT RECOVERY	RECOVERY LIMITS	
a,a,a-Trifluorotoluene (TFT)		117	(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000042

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	PREPARATION- METHOD	WORK ANALYSIS DATE	ORDER #
LCS Lot-Sample#: E1B120000-384 Prep Batch #....: 1043384							
Aluminum	200	195	mg/kg	97	SW846 6010B	02/13-02/14/01	DV1L11AV
				Dilution Factor: 1			
				Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Arsenic	200	193	mg/kg	97	SW846 6010B	02/13-02/14/01	DV1L11AW
				Dilution Factor: 1			
				Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Antimony	50.0	45.5	mg/kg	91	SW846 6010B	02/13-02/14/01	DV1L11AX
				Dilution Factor: 1			
				Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Barium	200	211	mg/kg	105	SW846 6010B	02/13-02/14/01	DV1L11A0
				Dilution Factor: 1			
				Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Cadmium	5.00	5.22	mg/kg	104	SW846 6010B	02/13-02/14/01	DV1L11A1
				Dilution Factor: 1			
				Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Chromium	20.0	21.2	mg/kg	106	SW846 6010B	02/13-02/14/01	DV1L11A2
				Dilution Factor: 1			
				Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Beryllium	5.00	5.32	mg/kg	106	SW846 6010B	02/13-02/14/01	DV1L11A3
				Dilution Factor: 1			
				Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Lead	50.0	49.7	mg/kg	99	SW846 6010B	02/13-02/14/01	DV1L11A4
				Dilution Factor: 1			
				Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Selenium	200	183	mg/kg	92	SW846 6010B	02/13-02/14/01	DV1L11A5
				Dilution Factor: 1			
				Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Silver	5.00	5.04	mg/kg	101	SW846 6010B	02/13-02/14/01	DV1L11A6
				Dilution Factor: 1			
				Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	

(Continued on next page)

000043

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

PARAMETER	SPIKE	MEASURED		PERCNT		PREPARATION-	WORK
	AMOUNT	AMOUNT	UNITS	RECVRY	METHOD		
Cobalt	50.0	52.8	mg/kg	106	SW846 6010B	02/13-02/14/01	DV1L11A7
			Dilution Factor: 1				
			Analysis Time...: 12:00		Analyst ID.....: 003119		Instrument ID..: M01
Copper	25.0	26.3	mg/kg	105	SW846 6010B	02/13-02/14/01	DV1L11A8
			Dilution Factor: 1				
			Analysis Time...: 12:00		Analyst ID.....: 003119		Instrument ID..: M01
Molybdenum	100	101	mg/kg	101	SW846 6010B	02/13-02/14/01	DV1L11A9
			Dilution Factor: 1				
			Analysis Time...: 12:00		Analyst ID.....: 003119		Instrument ID..: M01
Nickel	50.0	51.7	mg/kg	103	SW846 6010B	02/13-02/14/01	DV1L11CA
			Dilution Factor: 1				
			Analysis Time...: 12:00		Analyst ID.....: 003119		Instrument ID..: M01
Thallium	200	205	mg/kg	102	SW846 6010B	02/13-02/14/01	DV1L11CC
			Dilution Factor: 1				
			Analysis Time...: 12:00		Analyst ID.....: 003119		Instrument ID..: M01
Vanadium	50.0	52.1	mg/kg	104	SW846 6010B	02/13-02/14/01	DV1L11CD
			Dilution Factor: 1				
			Analysis Time...: 12:00		Analyst ID.....: 003119		Instrument ID..: M01
Zinc	50.0	51.0	mg/kg	102	SW846 6010B	02/13-02/14/01	DV1L11CE
			Dilution Factor: 1				
			Analysis Time...: 12:00		Analyst ID.....: 003119		Instrument ID..: M01
LCS Lot-Sample#: E1B120000-387 Prep Batch #....: 1043387							
Mercury	0.833	0.802	mg/kg	96	SW846 7471A	02/14/01	DV1MM1AC
			Dilution Factor: 1				
			Analysis Time...: 14:34		Analyst ID.....: 021088		Instrument ID..: M04

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000044

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: E1B090307 Work Order #....: DV1QV1AC Matrix.....: SOLID
LCS Lot-Sample#: E1B120000-460
Prep Date.....: 02/12/01 Analysis Date...: 02/13/01
Prep Batch #....: 1043460 Analysis Time..: 21:57
Dilution Factor: 1 Instrument ID..: G02
Analyst ID.....: 356074

PARAMETER	PERCENT	RECOVERY	METHOD
	RECOVERY	LIMITS	
TPH (as Diesel)	84	(60 - 130)	SW846 8015B
SURROGATE	PERCENT	RECOVERY	
Benzo (a) pyrene	RECOVERY	LIMITS	
	88	(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000045

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E1B090307 **Work Order #....:** DV4KM1AC **Matrix.....:** SOLID
LCS Lot-Sample#: E1B140000-241
Prep Date.....: 02/13/01 **Analysis Date...:** 02/13/01
Prep Batch #....: 1045241 **Analysis Time..:** 08:24
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 999998

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
1,1-Dichloroethene	108	(60 - 150)	SW846 8260B
Benzene	101	(70 - 140)	SW846 8260B
Trichloroethene	85	(70 - 130)	SW846 8260B
Toluene	104	(70 - 130)	SW846 8260B
Chlorobenzene	102	(70 - 130)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Bromofluorobenzene	99	(70 - 130)
1,2-Dichloroethane-d4	108	(60 - 140)
Toluene-d8	94	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000046

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: E1B090307 Work Order #....: DV4M81AC Matrix.....: SOLID
LCS Lot-Sample#: E1B140000-259
Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
Prep Batch #....: 1045259 Analysis Time...: 10:58
Dilution Factor: 1 Instrument ID...: G16
Analyst ID.....: 001464

PARAMETER	PERCENT	RECOVERY	METHOD
	RECOVERY	LIMITS	
TPH (as Gasoline)	101	(80 - 140)	SW846 8015B
SURROGATE	PERCENT	RECOVERY	
a,a,a-Trifluorotoluene (TFT)	117	(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000047

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#:	E1B120000-384	Prep Batch #....:	1043384		
Aluminum	97	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11AV
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Arsenic	97	(75 - 115)	SW846 6010B	02/13-02/14/01	DV1L11AW
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Antimony	91	(75 - 115)	SW846 6010B	02/13-02/14/01	DV1L11AX
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Barium	105	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11A0
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Cadmium	104	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11A1
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Chromium	106	(85 - 120)	SW846 6010B	02/13-02/14/01	DV1L11A2
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Beryllium	106	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11A3
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Lead	99	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11A4
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Selenium	92	(70 - 115)	SW846 6010B	02/13-02/14/01	DV1L11A5
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Silver	101	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11A6
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	

(Continued on next page)

000048

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Cobalt	106	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11A7
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Copper	105	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11A8
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Molybdenum	101	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11A9
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Nickel	103	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11CA
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Thallium	102	(75 - 120)	SW846 6010B	02/13-02/14/01	DV1L11CC
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Vanadium	104	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11CD
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
Zinc	102	(80 - 120)	SW846 6010B	02/13-02/14/01	DV1L11CE
		Dilution Factor: 1			
		Analysis Time...: 12:00	Analyst ID.....: 003119	Instrument ID...: M01	
LCS Lot-Sample#:	E1B120000-387	Prep Batch #....:	1043387		
Mercury	96	(85 - 115)	SW846 7471A	02/14/01	DV1MM1AC
		Dilution Factor: 1			
		Analysis Time...: 14:34	Analyst ID.....: 021088	Instrument ID...: M04	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

000049

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

Date Sampled....: 02/07/01 11:15 **Date Received..:** 02/08/01 17:15

PARAMETER	SAMPLE	SPIKE	MEASURED	PERCNT			PREPARATION-	WORK
	AMOUNT	AMT	AMOUNT	UNITS	RECVRY	RPD	ANALYSIS DATE	ORDER #
MS Lot-Sample #: E1B080306-006 Prep Batch #....: 1043384								
Aluminum								
	14600	200	18200	NC mg/kg		SW846 6010B	02/13-02/14/01	DVVA1A0
	14600	200	19300	NC mg/kg		SW846 6010B	02/13-02/14/01	DVVA1A1
				Dilution Factor: 1				
				Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213				
Arsenic								
	4.0	200	194	mg/kg	95	SW846 6010B	02/13-02/14/01	DVVA1A2
	4.0	200	191	mg/kg	94	1.6 SW846 6010B	02/13-02/14/01	DVVA1A3
				Dilution Factor: 1				
				Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213				
Antimony								
	ND	50.0	10.8	N mg/kg	22	SW846 6010B	02/13-02/14/01	DVVA1A4
	ND	50.0	10.2	N mg/kg	20	6.1 SW846 6010B	02/13-02/14/01	DVVA1A5
				Dilution Factor: 1				
				Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213				
Barium								
	131	200	339	mg/kg	104	SW846 6010B	02/13-02/14/01	DVVA1A6
	131	200	342	mg/kg	106	1.0 SW846 6010B	02/13-02/14/01	DVVA1A7
				Dilution Factor: 1				
				Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213				
Cadmium								
	ND	5.00	5.14	mg/kg	103	SW846 6010B	02/13-02/14/01	DVVA1A8
	ND	5.00	5.01	mg/kg	100	2.6 SW846 6010B	02/13-02/14/01	DVVA1A9
				Dilution Factor: 1				
				Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213				
Chromium								
	20.9	20.0	45.3	N mg/kg	122	SW846 6010B	02/13-02/14/01	DVVA1CA
	20.9	20.0	46.2	N mg/kg	127	2.0 SW846 6010B	02/13-02/14/01	DVVA1CC
				Dilution Factor: 1				
				Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213				

(Continued on next page)

000050

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

Date Sampled....: 02/07/01 11:15 **Date Received...:** 02/08/01 17:15

PARAMETER	SAMPLE	SPIKE	MEASURED	UNITS	PERCNT			PREPARATION-	WORK
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	METHOD		
Beryllium									
	0.52	5.00	5.82	mg/kg	106		SW846 6010B	02/13-02/14/01	DVVAA1CD
	0.52	5.00	5.73	mg/kg	104	1.4	SW846 6010B	02/13-02/14/01	DVVAA1CE
	Dilution Factor: 1								
	Analysis Time...: 12:40								
	MS Run #.....: 1043213								
Lead									
	4.4	50.0	53.6	mg/kg	99		SW846 6010B	02/13-02/14/01	DVVAA1CF
	4.4	50.0	53.0	mg/kg	97	1.2	SW846 6010B	02/13-02/14/01	DVVAA1CG
	Dilution Factor: 1								
	Analysis Time...: 12:40								
	MS Run #.....: 1043213								
Selenium									
	ND	200	180	mg/kg	90		SW846 6010B	02/13-02/14/01	DVVAA1CH
	ND	200	177	mg/kg	89	1.2	SW846 6010B	02/13-02/14/01	DVVAA1CJ
	Dilution Factor: 1								
	Analysis Time...: 12:40								
	MS Run #.....: 1043213								
Silver									
	ND	5.00	4.71	mg/kg	94		SW846 6010B	02/13-02/14/01	DVVAA1CK
	ND	5.00	4.65	mg/kg	93	1.2	SW846 6010B	02/13-02/14/01	DVVAA1CL
	Dilution Factor: 1								
	Analysis Time...: 12:40								
	MS Run #.....: 1043213								
Cobalt									
	7.7	50.0	60.4	mg/kg	105		SW846 6010B	02/13-02/14/01	DVVAA1CM
	7.7	50.0	59.5	mg/kg	104	1.4	SW846 6010B	02/13-02/14/01	DVVAA1CN
	Dilution Factor: 1								
	Analysis Time...: 12:40								
	MS Run #.....: 1043213								
Copper									
	15.7	25.0	44.3	mg/kg	114		SW846 6010B	02/13-02/14/01	DVVAA1CP
	15.7	25.0	45.8	mg/kg	120	3.5	SW846 6010B	02/13-02/14/01	DVVAA1CQ
	Dilution Factor: 1								
	Analysis Time...: 12:40								
	MS Run #.....: 1043213								
Molybdenum									
	0.49	100	95.7	mg/kg	95		SW846 6010B	02/13-02/14/01	DVVAA1CR
	0.49	100	94.1	mg/kg	94	1.6	SW846 6010B	02/13-02/14/01	DVVAA1CT
	Dilution Factor: 1								
	Analysis Time...: 12:40								
	MS Run #.....: 1043213								

000051

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

Date Sampled....: 02/07/01 11:15 **Date Received...:** 02/08/01 17:15

PARAMETER	SAMPLE	SPIKE	MEASURED	UNITS	PERCNT			PREPARATION-	WORK
	AMOUNT	AMT	AMOUNT		RECVRY	RPD	METHOD		
Nickel									
	15.2	50.0	68.2	mg/kg	106		SW846 6010B	02/13-02/14/01	DVVAA1CU
	15.2	50.0	68.1	mg/kg	106	0.16	SW846 6010B	02/13-02/14/01	DVVAA1CV
	Dilution Factor: 1								
	Analysis Time...: 12:40								
	Instrument ID...: M01								
	MS Run #.....: 1043213								
Thallium									
	ND	200	199	mg/kg	99		SW846 6010B	02/13-02/14/01	DVVAA1CW
	ND	200	196	mg/kg	98	1.2	SW846 6010B	02/13-02/14/01	DVVAA1CX
	Dilution Factor: 1								
	Analysis Time...: 12:40								
	Instrument ID...: M01								
	MS Run #.....: 1043213								
Vanadium									
	39.0	50.0	95.3	mg/kg	113		SW846 6010B	02/13-02/14/01	DVVAA1C0
	39.0	50.0	96.2	mg/kg	114	0.98	SW846 6010B	02/13-02/14/01	DVVAA1C1
	Dilution Factor: 1								
	Analysis Time...: 12:40								
	Instrument ID...: M01								
	MS Run #.....: 1043213								
Zinc									
	40.3	50.0	97.8	mg/kg	115		SW846 6010B	02/13-02/14/01	DVVAA1C2
	40.3	50.0	99.5	mg/kg	118	1.8	SW846 6010B	02/13-02/14/01	DVVAA1C3
	Dilution Factor: 1								
	Analysis Time...: 12:40								
	Instrument ID...: M01								
	MS Run #.....: 1043213								

MS Lot-Sample #: E1B080306-006 **Prep Batch #....:** 1043387

Mercury

0.044	0.167	0.190	mg/kg	87		SW846 7471A	02/14/01	DVVAA1C4
0.044	0.167	0.188	mg/kg	86	0.88	SW846 7471A	02/14/01	DVVAA1C5
Dilution Factor: 1								
Analysis Time...: 14:37								
Instrument ID...: M04								
MS Run #.....: 1043217								

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

000052

MATRIX SPIKE SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #....: E1B090307 Work Order #....: DVXN61C9-MS Matrix.....: SOLID
 MS Lot-Sample #: E1B090348-002 DVXN61DA-MSD
 Date Sampled....: 02/08/01 14:28 Date Received...: 02/09/01 17:05 MS Run #.....: 1043237
 Prep Date.....: 02/12/01 Analysis Date...: 02/14/01
 Prep Batch #....: 1043460 Analysis Time...: 03:46
 Dilution Factor: 1 Analyst ID.....: 356074 Instrument ID...: G02

PARAMETER	SAMPLE	SPIKE	MEASRD	PERCENT			
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
TPH (as Diesel)	ND	250	177	mg/kg	71		SW846 8015B
	ND	250	205	mg/kg	82	15	SW846 8015B
<hr/>			<hr/>			<hr/>	
<u>SURROGATE</u>			PERCENT			RECOVERY	
Benzo(a)pyrene			<u>RECOVERY</u>			<u>LIMITS</u>	
			73			(60 - 130)	
			88			(60 - 130)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000053

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #....: E1B090307 Work Order #....: DVXPV1A5-MS Matrix.....: SOLID
 MS Lot-Sample #: E1B090348-012 DVXPV1A6-MSD
 Date Sampled....: 02/09/01 09:32 Date Received...: 02/09/01 17:05 MS Run #.....: 1045099
 Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
 Prep Batch #....: 1045259 Analysis Time...: 22:22
 Dilution Factor: 1 Analyst ID.....: 001464 Instrument ID...: G16

PARAMETER	SAMPLE	SPIKE	MEASRD	PERCENT			
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	METHOD
TPH (as Gasoline)	ND	5.00	5.48	mg/kg	110		SW846 8015B
	ND	5.00	4.89	mg/kg	98	11	SW846 8015B
<u>SURROGATE</u>			PERCENT			RECOVERY	
a,a,a-Trifluorotoluene			<u>RECOVERY</u>			<u>LIMITS</u>	
(TFT)			116			(60 - 130)	
			117			(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000054

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #....: E1B090307 Work Order #....: DV1R71AG-MS Matrix.....: SOLID
 MS Lot-Sample #: E1B120199-002 DV1R71AH-MSD
 Date Sampled....: 02/12/01 08:50 Date Received...: 02/12/01 17:00 MS Run #.....: 1045081
 Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
 Prep Batch #....: 1045241 Analysis Time...: 15:25
 Dilution Factor: 1 Analyst ID.....: 999998 Instrument ID...: MSD

PARAMETER	SAMPLE	SPIKE	MEASRD	PERCENT			METHOD
	AMOUNT	AMT	AMOUNT	UNITS	RECOVERY	RPD	
1,1-Dichloroethene	ND	50.0	46.0	ug/kg	92		SW846 8260B
	ND	50.0	42.5	ug/kg	85	7.9	SW846 8260B
Benzene	ND	50.0	46.8	ug/kg	94		SW846 8260B
	ND	50.0	43.5	ug/kg	87	7.3	SW846 8260B
Trichloroethene	ND	50.0	43.9	ug/kg	88		SW846 8260B
	ND	50.0	39.2	ug/kg	78	11	SW846 8260B
Toluene	ND	50.0	49.4	ug/kg	99		SW846 8260B
	ND	50.0	44.5	ug/kg	89	1.0	SW846 8260B
Chlorobenzene	ND	50.0	47.8	ug/kg	96		SW846 8260B
	ND	50.0	43.1	ug/kg	86	10	SW846 8260B

SURROGATE	PERCENT		RECOVERY	LIMITS
	RECOVERY			
Iodomfluorobenzene	97		(70 - 130)	
	94		(70 - 130)	
1,2-Dichloroethane-d4	91		(60 - 140)	
	95		(60 - 140)	
Toluene-d8	92		(70 - 130)	
	92		(70 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000055

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

Date Sampled....: 02/07/01 11:15 **Date Received...:** 02/08/01 17:15

PARAMETER	PERCENT	RECOVERY	RPD	METHOD	PREPARATION-	WORK	
	RECOVERY	LIMITS	RPD		ANALYSIS	DATE	ORDER #
MS Lot-Sample #: E1B080306-006 Prep Batch #....: 1043384							
Aluminum	NC	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVAA1A0	
	NC	(80 - 120)	(0-25)	SW846 6010B	02/13-02/14/01	DVVAA1A1	
				Dilution Factor: 1			
				Analysis Time...: 12:40	Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213			
Arsenic	95	(75 - 115)		SW846 6010B	02/13-02/14/01	DVVAA1A2	
	94	(75 - 115) 1.6	(0-25)	SW846 6010B	02/13-02/14/01	DVVAA1A3	
				Dilution Factor: 1			
				Analysis Time...: 12:40	Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213			
Antimony	22 N	(75 - 115)		SW846 6010B	02/13-02/14/01	DVVAA1A4	
	20 N	(75 - 115) 6.1	(0-25)	SW846 6010B	02/13-02/14/01	DVVAA1A5	
				Dilution Factor: 1			
				Analysis Time...: 12:40	Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213			
Barium	104	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVAA1A6	
	106	(80 - 120) 1.0	(0-25)	SW846 6010B	02/13-02/14/01	DVVAA1A7	
				Dilution Factor: 1			
				Analysis Time...: 12:40	Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213			
Cadmium	103	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVAA1A8	
	100	(80 - 120) 2.6	(0-25)	SW846 6010B	02/13-02/14/01	DVVAA1A9	
				Dilution Factor: 1			
				Analysis Time...: 12:40	Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213			
Chromium	122 N	(85 - 120)		SW846 6010B	02/13-02/14/01	DVVAA1CA	
	127 N	(85 - 120) 2.0	(0-25)	SW846 6010B	02/13-02/14/01	DVVAA1CC	
				Dilution Factor: 1			
				Analysis Time...: 12:40	Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213			
Beryllium	106	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVAA1CD	
	104	(80 - 120) 1.4	(0-25)	SW846 6010B	02/13-02/14/01	DVVAA1CE	
				Dilution Factor: 1			
				Analysis Time...: 12:40	Instrument ID...: M01		Analyst ID.....: 003119
				MS Run #.....: 1043213			

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000056

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

Date Sampled....: 02/07/01 11:15 **Date Received..:** 02/08/01 17:15

PARAMETER	PERCENT	RECOVERY	RPD	METHOD	PREPARATION-	WORK
	RECOVERY	LIMITS	RPD		ANALYSIS DATE	ORDER #
Lead	99	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVA1CF
	97	(80 - 120) 1.2 (0-25)		SW846 6010B	02/13-02/14/01	DVVA1CG
		Dilution Factor: 1				
		Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
Selenium	90	(70 - 115)		SW846 6010B	02/13-02/14/01	DVVA1CH
	89	(70 - 115) 1.2 (0-25)		SW846 6010B	02/13-02/14/01	DVVA1CJ
		Dilution Factor: 1				
		Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
Silver	94	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVA1CK
	93	(80 - 120) 1.2 (0-25)		SW846 6010B	02/13-02/14/01	DVVA1CL
		Dilution Factor: 1				
		Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
Cobalt	105	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVA1CM
	104	(80 - 120) 1.4 (0-25)		SW846 6010B	02/13-02/14/01	DVVA1CN
		Dilution Factor: 1				
		Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
Copper	114	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVA1CP
	120	(80 - 120) 3.5 (0-25)		SW846 6010B	02/13-02/14/01	DVVA1CQ
		Dilution Factor: 1				
		Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
Molybdenum	95	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVA1CR
	94	(80 - 120) 1.6 (0-25)		SW846 6010B	02/13-02/14/01	DVVA1CT
		Dilution Factor: 1				
		Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
Nickel	106	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVA1CU
	106	(80 - 120) 0.16 (0-25)		SW846 6010B	02/13-02/14/01	DVVA1CV
		Dilution Factor: 1				
		Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
Thallium	99	(75 - 120)		SW846 6010B	02/13-02/14/01	DVVA1CW
	98	(75 - 120) 1.2 (0-25)		SW846 6010B	02/13-02/14/01	DVVA1CX
		Dilution Factor: 1				
		Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 1043213				
		MS Run #.....: 1043213				

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: E1B090307

Matrix.....: SOLID

Date Sampled....: 02/07/01 11:15 **Date Received..:** 02/08/01 17:15

PARAMETER	PERCENT	RECOVERY	RPD	METHOD	PREPARATION-	WORK
	RECOVERY	LIMITS	RPD		ANALYSIS DATE	ORDER #
Vanadium	113	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVAAC1C0
	114	(80 - 120) 0.98 (0-25)		SW846 6010B	02/13-02/14/01	DVVAAC1C1
		Dilution Factor: 1				
		Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 1043213				
Zinc	115	(80 - 120)		SW846 6010B	02/13-02/14/01	DVVAAC1C2
	118	(80 - 120) 1.8 (0-25)		SW846 6010B	02/13-02/14/01	DVVAAC1C3
		Dilution Factor: 1				
		Analysis Time...: 12:40		Instrument ID...: M01		Analyst ID.....: 003119
		MS Run #.....: 1043213				

MS Lot-Sample #: E1B080306-006 **Prep Batch #....:** 1043387

Mercury	87	(80 - 120)		SW846 7471A	02/14/01	DVVAAC1C4
	86	(80 - 120) 0.88 (0-20)		SW846 7471A	02/14/01	DVVAAC1C5
		Dilution Factor: 1				
		Analysis Time...: 14:37		Instrument ID...: M04		Analyst ID.....: 021088
		MS Run #.....: 1043217				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

N Spiked analyte recovery is outside stated control limits.

000058

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #....: E1B090307 Work Order #....: DVXN61C9-MS Matrix.....: SOLID
MS Lot-Sample #: E1B090348-002 DVXN61DA-MSD
Date Sampled....: 02/08/01 14:28 Date Received...: 02/09/01 17:05 MS Run #.....: 1043237
Prep Date.....: 02/12/01 Analysis Date...: 02/14/01
Prep Batch #....: 1043460 Analysis Time...: 03:46
Dilution Factor: 1 Analyst ID.....: 356074 Instrument ID...: G02

PARAMETER	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	RPD	<u>LIMITS</u>	METHOD
TPH (as Diesel)	71	(60 - 130)			SW846 8015B
	82	(60 - 130)	15	(0-35)	SW846 8015B

SURROGATE	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>
Benzo(a)pyrene	73	(60 - 130)
	88	(60 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000059

BOE-C6-0153282

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #....: E1B090307 Work Order #....: DVXPV1A5-MS Matrix.....: SOLID
MS Lot-Sample #: E1B090348-012 DVXPV1A6-MSD
Date Sampled....: 02/09/01 09:32 Date Received...: 02/09/01 17:05 MS Run #.....: 1045099
Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
Prep Batch #....: 1045259 Analysis Time...: 22:22
Dilution Factor: 1 Analyst ID.....: 001464 Instrument ID...: G16

PARAMETER	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>	RPD	<u>LIMITS</u>	METHOD
TPH (as Gasoline)	110	(80 - 140)			SW846 8015B
	98	(80 - 140)	11	(0-40)	SW846 8015B
SURROGATE	PERCENT <u>RECOVERY</u>	RECOVERY <u>LIMITS</u>			
a,a,a-Trifluorotoluene (TFT)	116			(60 - 130)	
	117			(60 - 130)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000060

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: E1B090307 Work Order #....: DV1R71AG-MS Matrix.....: SOLID
MS Lot-Sample #: E1B120199-002 DV1R71AH-MSD
Date Sampled...: 02/12/01 08:50 Date Received..: 02/12/01 17:00 MS Run #.....: 1045081
Prep Date.....: 02/13/01 Analysis Date...: 02/13/01
Prep Batch #....: 1045241 Analysis Time...: 15:25
Dilution Factor: 1 Analyst ID.....: 999998 Instrument ID...: MSD

PARAMETER	PERCENT	RECOVERY	RPD	RPD	METHOD
	RECOVERY	LIMITS		LIMITS	
1,1-Dichloroethene	92	(60 - 150)	7.9	(0-30)	SW846 8260B
	85	(60 - 150)			SW846 8260B
Benzene	94	(70 - 140)	7.3	(0-30)	SW846 8260B
	87	(70 - 140)			SW846 8260B
Trichloroethene	88	(70 - 130)	11	(0-30)	SW846 8260B
	78	(70 - 130)			SW846 8260B
Toluene	99	(70 - 130)	10	(0-30)	SW846 8260B
	89	(70 - 130)			SW846 8260B
Chlorobenzene	96	(70 - 130)	10	(0-30)	SW846 8260B
	86	(70 - 130)			SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Bromofluorobenzene	97	(70 - 130)
	94	(70 - 130)
1,2-Dichloroethane-d4	91	(60 - 140)
	95	(60 - 140)
Toluene-d8	92	(70 - 130)
	92	(70 - 130)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

000061